

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
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EFS ID: 15420  
Application ID: 10063929  
Title of Invention: SPINDLE MOTOR AND DISK DRIVE  
UTILIZING THE SPINDLE MOTOR  
First Named Inventor: Hideki Nishimura  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-05-27 \*2002-05-27\*  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 18.008-AG  
Digital Certificate Holder: cn=James Judge, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
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Certificate Message Digest: 1YPJ7vPPHjrXmFGt5fuPng==  
Total Fees Authorized: \$1212.0  
  
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Credit Card Number: \*\*\*\*\*7147  
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RAM User ID: EFSPROD  
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# TRANSMITTAL FORM

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10/063929  
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Stylesheet Version: 1.0

Attorney Docket Number: 18.008-AG

## SPINDLE MOTOR AND DISK DRIVE UTILIZING THE SPINDLE MOTOR

First Named Inventor: Mr. Hideki Nishimura

### SUBMITTED BY

Name: James Judge  
Registration Number: 42,701  
Electronic Signature Mark: <jj>UDGE  
Date Signed: 20020527

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

fee-transmittal	ND003fee.xml
patent-assignment	ND003asgn.xml
bibd-transmittal	ND003apds.xml
specification	ND003.xml
declaration	18.008 Declaration p. 1.tif
declaration	18.008 Declaration p. 1.tif

declaration

18.008 Declaration p. 1.tif

Attached Image File(s):

18.008 Declaration p. 1.tif

18.008 Declaration p. 2.tif

18.008 Declaration p. 3.tif

18.008 Declaration p. 1.tif  
18.008 Declaration p. 2.tif  
18.008 Declaration p. 3.tif

**Comments:**

Run	Time	Temp	Pressure	Flow	Conc	Yield	Quality
1	10.0	100.0	1.0	1.0	1.0	1.0	1.0
2	10.0	100.0	1.0	1.0	1.0	1.0	1.0
3	10.0	100.0	1.0	1.0	1.0	1.0	1.0
4	10.0	100.0	1.0	1.0	1.0	1.0	1.0
5	10.0	100.0	1.0	1.0	1.0	1.0	1.0
6	10.0	100.0	1.0	1.0	1.0	1.0	1.0
7	10.0	100.0	1.0	1.0	1.0	1.0	1.0
8	10.0	100.0	1.0	1.0	1.0	1.0	1.0
9	10.0	100.0	1.0	1.0	1.0	1.0	1.0
10	10.0	100.0	1.0	1.0	1.0	1.0	1.0
11	10.0	100.0	1.0	1.0	1.0	1.0	1.0
12	10.0	100.0	1.0	1.0	1.0	1.0	1.0
13	10.0	100.0	1.0	1.0	1.0	1.0	1.0
14	10.0	100.0	1.0	1.0	1.0	1.0	1.0
15	10.0	100.0	1.0	1.0	1.0	1.0	1.0
16	10.0	100.0	1.0	1.0	1.0	1.0	1.0
17	10.0	100.0	1.0	1.0	1.0	1.0	1.0
18	10.0	100.0	1.0	1.0	1.0	1.0	1.0
19	10.0	100.0	1.0	1.0	1.0	1.0	1.0
20	10.0	100.0	1.0	1.0	1.0	1.0	1.0
21	10.0	100.0	1.0	1.0	1.0	1.0	1.0
22	10.0	100.0	1.0	1.0	1.0	1.0	1.0
23	10.0	100.0	1.0	1.0	1.0	1.0	1.0
24	10.0	100.0	1.0	1.0	1.0	1.0	1.0
25	10.0	100.0	1.0	1.0	1.0	1.0	1.0
26	10.0	100.0	1.0	1.0	1.0	1.0	1.0
27	10.0	100.0	1.0	1.0	1.0	1.0	1.0
28	10.0	100.0	1.0	1.0	1.0	1.0	1.0
29	10.0	100.0	1.0	1.0	1.0	1.0	1.0
30	10.0	100.0	1.0	1.0	1.0	1.0	1.0
31	10.0	100.0	1.0	1.0	1.0	1.0	1.0
32	10.0	100.0	1.0	1.0	1.0	1.0	1.0
33	10.0	100.0	1.0	1.0	1.0	1.0	1.0
34	10.0	100.0	1.0	1.0	1.0	1.0	1.0
35	10.0	100.0	1.0	1.0	1.0	1.0	1.0
36	10.0	100.0	1.0	1.0	1.0	1.0	1.0
37	10.0	100.0	1.0	1.0	1.0	1.0	1.0
38	10.0	100.0	1.0	1.0	1.0	1.0	1.0
39	10.0	100.0	1.0	1.0	1.0	1.0	1.0
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41	10.0	100.0	1.0	1.0	1.0	1.0	1.0
42	10.0	100.0	1.0	1.0	1.0	1.0	1.0
43	10.0	100.0	1.0	1.0	1.0	1.0	1.0
44	10.0	100.0	1.0	1.0	1.0	1.0	1.0
45	10.0	100.0	1.0	1.0	1.0	1.0	1.0
46	10.0	100.0	1.0	1.0	1.0	1.0	1.0
47	10.0	100.0	1.0	1.0	1.0	1.0	1.0
48	10.0	100.0	1.0	1.0	1.0	1.0	1.0
49	10.0	100.0	1.0	1.0	1.0	1.0	1.0
50	10.0	100.0	1.0	1.0	1.0		

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, mailing address and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SPINDLE MOTOR AND DISK DRIVE UTILIZING THE SPINDLE MOTOR

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りではない：

the specification of which is attached hereto unless the following box is checked:

☐ \_\_\_\_\_ の日に出願され、  
この出願の米国出願番号またはPCT国際出願番号は、  
\_\_\_\_\_ であり、且つ  
\_\_\_\_\_ の日に補正された出願（該当する場合）

☐ was filed on \_\_\_\_\_  
as United States Application Number  
or PCT International Application Number  
\_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

# Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)  
外国での先行出願

Priority Not Claimed  
優先権主張なし

2001-277355 (Number) (番号)	JAPAN (Country) (国名)	13/09/2001 (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>
2001-279021 (Number) (番号)	JAPAN (Country) (国名)	14/09/2001 (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>
2001-352669 (Number) (番号)	JAPAN (Country) (国名)	19/11/2001 (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>

私は、ここに、下記のいかなる米国特許出願についても、その米  
国法典第35編119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (出願番号)	(Filing Date) (出願日)	(Application No.) (出願番号)	(Filing Date) (出願日)
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私は、ここに、下記のいかなる米国出願についても、その米国法典第35編120条に基づく利益を主張し、又米國を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Application No.) (出願番号)	(Filing Date) (出願日)	(Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、かつ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration  
(日本語宣言書)

委任状： 私は本出願を審査する手続を行い、自づ米特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の登録番号の代理人を任命する。

代理人の登録番号：

POWER OF ATTORNEY: As a named inventor, I hereby appoint:

Practitioner(s) at Customer Number:

29453



29453

PATENT & TRADEMARK OFFICE

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

唯一または第一発明者氏名	Full name of sole or first inventor
	Hideki NISHIMURA
発明者の署名	Inventor's signature
日付	Date
	<i>[Signature]</i> 14/5/2002
住所	Residence
	49-3, Nakamura-Cho, Ohmihachiman-Shi, Shiga 523-0894, JAPAN
国籍	Citizenship
	JAPAN
郵便の宛先	Mailing Address
	Same as above

第二共同発明者がある場合、その氏名	Full name of second joint inventor, if any
	Yoshito OKU
第二共同発明者の署名	Second inventor's signature
日付	Date
	<i>[Signature]</i> 14/05/02
住所	Residence
	2700-103, Ichimiyake, Yasu-Cho, Yasu-Gun, Shiga 520-2362, JAPAN
国籍	Citizenship
	JAPAN
郵便の宛先	Mailing Address
	Same as above

第三共同発明者がある場合、その氏名	Full name of third joint inventor, if any
	Shinya YANO
第三共同発明者の署名	Third inventor's signature
日付	Date
	<i>[Signature]</i> 14/05/2002
住所	Residence
	203 Park Avenue, 7-11, Kita 3-Chome, Takakai-Cho, Ohmihachiman-Shi, Shiga 523-0891, JAPAN
国籍	Citizenship
	JAPAN
郵便の宛先	Mailing Address
	Same as above

(第四以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for fourth and subsequent joint inventors.)

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1212**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 7147  
Expiration Date: 20031031  
Authorized Name: JAMES JUDGE  
Billing Address: 99999

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 30	103	\$ 18	10	\$ 180
Independent Claims: 6	102	\$ 84	3	\$ 252

Subtotal For Extra Claims Fees: \$ 432

## ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40